

Converting Colors

$Yxy(90.2384, 0.2560, 0.2610)$

Have a look what the booklet for
Yxy(90.2384, 0.2560, 0.2610)
contains.

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Color

Yxy(85.7703, 0.2860, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	D3F4FF
RGB	211, 244, 255
RGB Percent	83%, 96%, 100%
CMY	0.1727, 0.0431, 0.0000
CMYK	0.17, 0.04, 0.00, 0.00
HSL	195°, 100%, 91%
HSV	195°, 17%, 100%
XYZ	77.2608, 85.7703, 107.1116
YIQ	235.3870, -23.1990, -3.5750

Conversions

Conversions Part 2

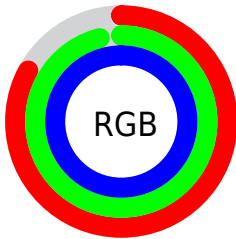
Format	Color
R _Y B	211, 230, 255
Decimal	13890815
CIE Lab	94.21, -8.43, -8.89
CIE LCh	94, 12.245, 226.520
Yxy	85.7703, 0.2860, 0.3175
Android (android.graphics.Color)	4292080895 (0xFFD3F4FF)
YUV	235.3870, 9.6692, -21.3874
Hunter-Lab	92.6123, -13.1597, -3.7438

Details

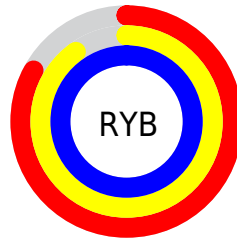
The Yxy color **85.7703, 0.2860, 0.3175** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.1824, 0.3442, 0.3402**, and the grayscale version is **83.3231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1116, 0.2805, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **78.5360, 0.2710, 0.3100**, and if you desaturate by 10%, it is **93.7379, 0.3014, 0.3244**.

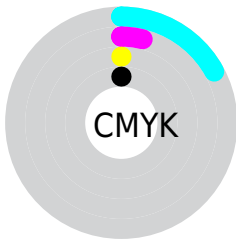
Distribution



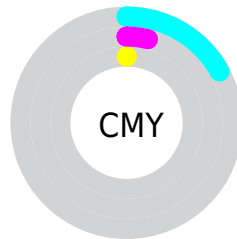
- Red (83%)
- Green (96%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7703, 0.2860, 0.3175 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.7703, 0.2860, 0.3175 by changing the saturation by 10% instead.

85.7703, 0.2860,
0.3175

85.7703, 0.2860,
0.3175

514.1735, 0.2979,
0.3228

64.4780, 0.2834,
0.3163

141.4489, 0.2900,
0.3193

47.0380, 0.2802,
0.3148

176.6040, 0.2916,
0.3200

33.0657, 0.2763,
0.3130

217.1489, 0.2930,
0.3207

22.1768, 0.2712,
0.3106

263.4680, 0.2942,
0.3212

13.9868, 0.2646,
0.3073

315.9456, 0.2953,
0.3217

8.1115, 0.2554,
0.3027

374.9661, 0.2963,

4.1664, 0.2420,

0.3221

0.2957

440.9139, 0.2971,
0.3225

■ 1.7671, 0.2207,
0.2838

■ 0.4665, 0.1290,
0.2531

■ 85.7703, 0.2860,
0.3175

■ 85.7703, 0.2860,
0.3175

■ 78.5360, 0.2710,
0.3100

■ 93.7379, 0.3014,
0.3244

■ 72.0001, 0.2566,
0.3019

100.0000, 0.3127,
0.3290

■ 66.1327, 0.2433,
0.2933

■ 60.8993, 0.2314,
0.2843

■ 56.2617, 0.2212,
0.2750

■ 52.1765, 0.2129,
0.2656

■ 48.5933, 0.2066,
0.2562

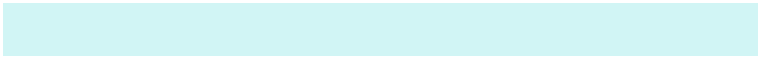
■ 45.4470, 0.2022,
0.2469

■ 44.6369, 0.2012,
0.2443

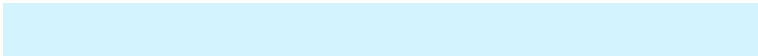
Harmonies

Analogous

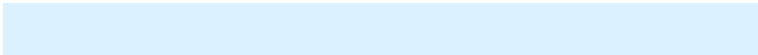
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7703, 0.2909, 0.3299



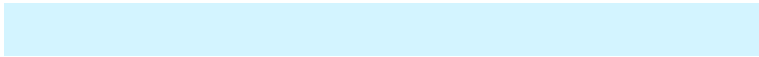
85.7703, 0.2860, 0.3175



85.7703, 0.2881, 0.3086

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7703, 0.2860, 0.3175



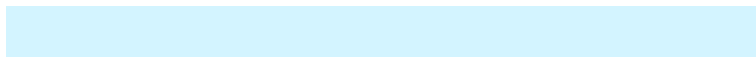
85.7703, 0.3237, 0.3162



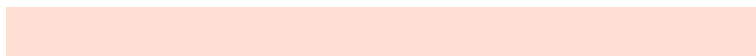
85.7703, 0.3286, 0.3535

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



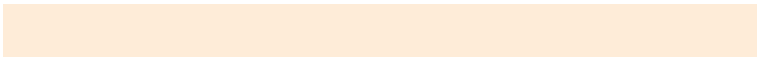
85.7703, 0.2860, 0.3175



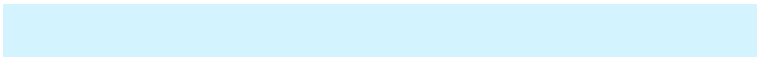
78.1824, 0.3442, 0.3402

Split Complementary

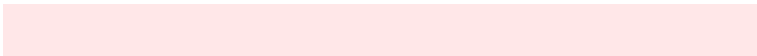
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7703, 0.3378, 0.3491



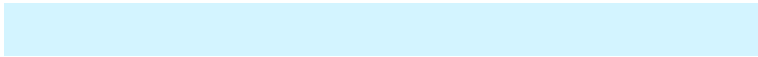
85.7703, 0.2860, 0.3175



85.7703, 0.3350, 0.3276

Square

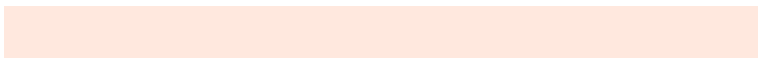
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7703, 0.2860, 0.3175



85.7703, 0.3096, 0.3082



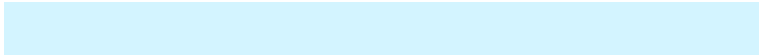
85.7703, 0.3402, 0.3396



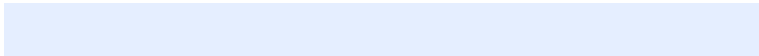
85.7703, 0.3153, 0.3511

Rectangle

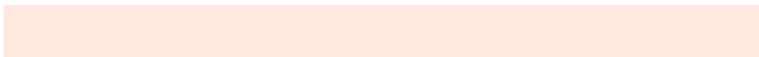
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7703, 0.2860, 0.3175



85.7703, 0.2932, 0.3058



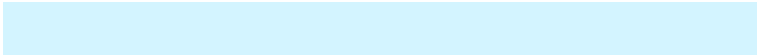
85.7703, 0.3402, 0.3396



85.7703, 0.3323, 0.3527

Sweetspot

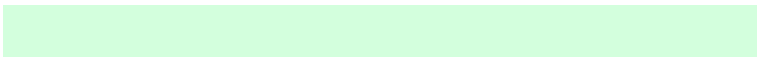
The Sweet Spot groups the original color and five complimentary colors.



85.7722, 0.2860, 0.3175



95.6479, 0.3050, 0.3259



90.5978, 0.3048, 0.3648



20.3450, 0.3039, 0.3254



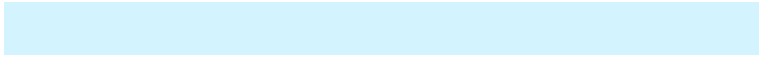
0.0000, 0.0000, 0.0000



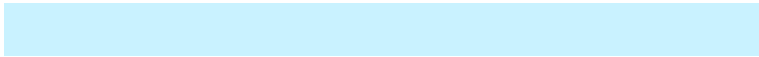
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7722, 0.2860, 0.3175



82.9870, 0.2803, 0.3148



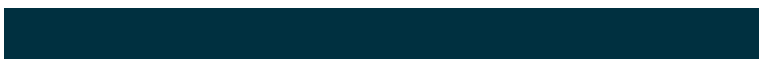
73.6855, 0.2849, 0.2948



19.6684, 0.2980, 0.3229



23.5730, 0.2016, 0.2459



2.4681, 0.2046, 0.2565

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



74.3657, 0.3223, 0.2964



69.6323, 0.3247, 0.2891



90.2177, 0.3407, 0.3611



18.2183, 0.3176, 0.3113



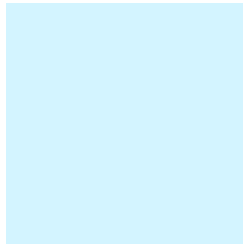
13.1077, 0.3963, 0.1957



1.2937, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 85.7703, 0.2860, 0.3175 looks on a white background.

Color Contrast Check

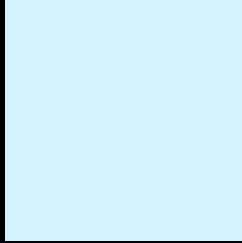
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 85.7703, 0.2860, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

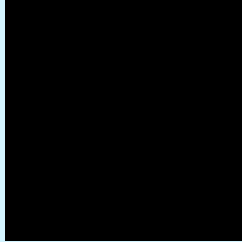
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

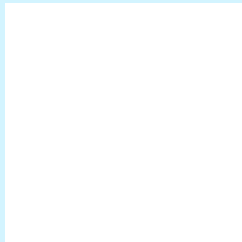
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7703, 0.2860, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 85.7703, 0.2860, 0.3175.

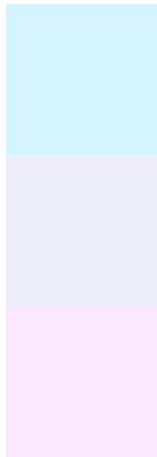


This preview shows how white text looks on a background with the Yxy color 85.7703, 0.2860, 0.3175.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.7703, 0.2860, 0.3175

Protanopia

85.6476, 0.3055, 0.3160

Deuteranopia

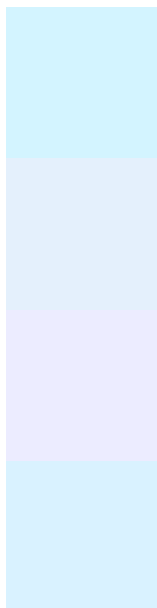
85.2572, 0.3104, 0.3066



Tritanopia

85.5027, 0.2919, 0.3146

Trichromacy



Original Color

85.7703, 0.2860, 0.3175

Protanomaly

85.8424, 0.2979, 0.3168

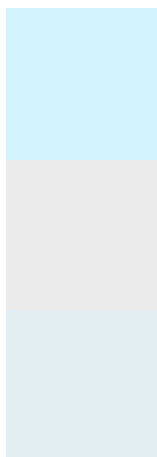
Deuteranomaly

85.0438, 0.3012, 0.3100

Tritanomaly

85.4760, 0.2895, 0.3156

Monochromacy



Original Color

85.7703, 0.2860, 0.3175

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.7286, 0.3025, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7703, 0.2860, 0.3175 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(211, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 244, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(211, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.7703, 0.2860, 0.3175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(211, 244, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(211, 244, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(211, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7703, 0.2860, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 244, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(211,  
244, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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